

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. GENENT.037C3	APPLICATION NO. 10/072,681
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Burton, et al.	
U.S. (SEVERAL SHEETS IF NECESSARY)		FILING DATE February 8, 2002	GROUP 1646- 1653

JUN 10 2002

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
AM	4,407,744	04.10.83	Young, D.	530	399	
T	4,565,785	21.01.86	Gilbert, et al.	431	371	
	4,673,641	16.06.87	George, et al.	431	68-1	
	4,710,473	01.12.87	Morris	431	68-1	
	4,738,921	19.04.88	Belagaje, et al.	431	RECEIVED	
	4,795,706	03.01.89	Hsiung, et al.	431	68-1	2002
	5,082,774	21.01.92	Heinrich, et al.	431	172-3	
	5,169,762	08.12.92	Gray, A.M., et al.	431	TECH CENTER 1500/2900	
	5,210,185	11.05.93	Delli Valle, et al.	530	399	
	5,235,043	10.08.93	Collins, et al.	530	399	
	5,272,063	21.12.93	Chan, H., et al.	431	69-1	
	5,288,622	22.02.94	Gray, et al.	431	RECEIVED	
	5,364,769	15.11.94	Rosenthal, A.	431	JUN 9 4	2002
	5,389,529	14.02.95	Panayotatos, et al.	431	TECH CENTER 69-8	
	5,438,121	01.08.95	Barde, et al.	530	399	1600/2900
	5,453,361	26.09.95	Yancopoulos, G., et al.	431	69-1	
	5,488,099	30.01.96	Persson, et al.	530	399	
	5,512,661	30.04.96	Shooter, E.M., et al.	530	399	
	5,606,031	25.02.97	Lile, J., et al.	530	416	
	5,639,664	17.06.97	Iwane, M. et al.	431	320	
	5,702,906	30.12.97	Rosenthal, A.	431	7-1	
	5,705,617	06.01.98	Persson, H., et al.	530	399	
	5,728,803	17.03.98	Urfer, R., et al.	530	350	
	5,733,875	31.03.98	Martin	514	12	
	5,798,448	25.08.98	Caras, I.W., et al.	530	387-1	
AM	5,830,858	03.11.98	Rosenthal, A.	514	12	

EXAMINER	Abdel A. Mohamed	DATE CONSIDERED	11/26/02
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FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. GENENT.03713	RECEIVED	APPLICATION NO. 10/072,681
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				JUN 13 2002		
(USE SEVERAL SHEETS IF NECESSARY)				APPLICANT Burton, et al.	TECH CENTER 1600/2900	RECEIVED
				FILING DATE February 8, 2002	GROUP 6046-163	JUN 13 2002



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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
AM	27	5,843,914	01.12.98	Johnson, Jr., E., et al.	514	12	

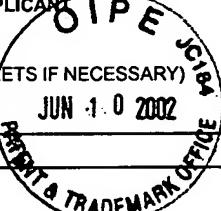
## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
AM	28	685,490	06.12.95	EPO			
AM	29	450,386 A2	09.10.91	EPO			YES NO
AM	30	414,151	15.03.95	EPO			
AM	31	121,338	10.10.84	EPO			
AM	32	WO 92/05254	02.04.92	PCT			RECEIVED JUN 14 2002
AM	33	WO 92/22665	23.12.92	PCT			
AM	34	WO 95/16701	22.06.95	PCT			TECH CENTER 1600/2900
AM	35	WO 95/30686	16.11.95	PCT			
AM	36	WO 95/33829	14.12.95	PCT			

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
AM	37	Angeletti, "Nerve Growth Factor from Cobra Venom" <u>Proc. Natl. Acad. Sci. USA</u> 65(3) :668-674 (1970)
AM	38	Angeletti, et al. "Nerve Growth Factor From Mouse Submaxillary Gland : Amino Acid Sequence" <u>Proc. Natl. Acad. Sci. USA</u> 68(10) :2417-2420 (1971)
	39	Angeletti, et al. "Purification Characterization, and Partial Amino Acid Sequence" <u>Biochem</u> 15 :26-34 (1976)
	40	Barnett, et al., "Physicochemical Characterization of Recombinant Human Nerve Growth Factor Produced in Insect Cells with a Baculovirus Vector" <u>J. of Neurochemistry</u> 57(3) :1052-1061 (1991)
	41	Belew, et al., "Chick Embryo Nerve Growth Factor" <u>Exp. Cell Res.</u> , 167 :550-558 (1986)
	42	Berkmeier, et al., "Neurotrophin-5: A Novel Neurotrophic Factor That Activates trk and trkB" <u>Neuron</u> 7 :857-866 (November 1991)
	43	Bigon, et al., "Large Scale Purification and Immunological Characterization of Human Placental Nerve Growth" <u>Neurochemical Research</u> 15(12) :1197-1202 (1990)
	44	Bocchini, et al., "The Nerve Growth Factor: Purification as a 30,000-Molecular-Weight Protein" <u>Proc. Natl. Acad. Sci. USA</u> 64 :787-794 (1969)
	45	Bradshaw, "Nerve Growth Factor" <u>Ann. Rev. Biochem.</u> 47 :191-216 (1978)
	46	Bruce, et al., "Production and Characterization of Biologically Active Recombinant Human Nerve Growth Factor" <u>Neurobiology</u> 10 :89-94 (1988)
	47	Buj-Bello, et al., "GDNF Is an Age-Specific Survival Factor for Sensory and Autonomic Neurons" <u>Neuron</u> 15 :821-828 (1995)
	48	Burton, et al., "Activity and Biospecificity of Proteolyzed Forms and Dimeric Combinations of Recombinant Human and Murine Nerve Growth Factor" <u>J. Neurochem.</u> 59(5) :1937-1945 (1992)
AM	49	Callegaro, L., et al. "Biological and Immunochemical Properties of Recombinant Human NGF" <u>Trophic Factors and the Nervous System</u> , L. A. Horrocks, et al., New York:Raven Press, Ltd. pp. 75-82 (1990)

EXAMINER	Asdel A. Mohamed	DATE CONSIDERED	11/26/02
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>SIPE</i> (USE SEVERAL SHEETS IF NECESSARY) JUN 10 2002		RECEIVED JUN 13 2002	
		APPLICANT Burton, et al.	JUN 14 2002
		FILING DATE February 8, 2002	TECH CENTER 1600 GROUP 1650 TECH CENTER 1600/2900



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↑	51		De Young, et al., "RhnGF Slow Unfolding is not Due to Proline Isomerization: Possibility of a Cystine Knot Loop-Threading Mechanism" <i>Protein Sci.</i> 5(8):1554-1566 (1996)			
	52		Dicou, et al., "Synthesis of Chimeric Mouse $\beta$ -Nerve Growth Factor Precursor and Human $\alpha$ -Nerve Growth Factor in Escherichia coli: Immunological Properties" <i>Journal of Neuroscience Research</i> 22:13-19 (1989)			
	53		Edwards, et al., "Processing and Secretion of Nerve Growth Factor: Expression in Mammalian Cells with a Vaccinia Virus Vector" <i>Molecular &amp; Cellular Biology</i> 8(6):2456-2464 (1988)			
	54		Emfors, et al., "Molecular Cloning and Neurotrophic Activities of a Protein With Structural Similarities to Nerve Growth Factor: Developmental and Topographical Expression in the Brain" <i>Proc. Natl. Acad. Sci. USA</i> 87:5454-5458 (July 1990)			
	55		Goldstein, et al., "ISOLATION OF HUMAN NERVE GROWTH FACTOR FROM PLACENTAL TISSUE" <i>Neurochemical Research</i> 3:175-183 (1978)			
	56		Hallbook, et al., "Evolutionary Studies of the Nerve Growth Factor Family Reveal a Novel Member Abundantly Expressed in Xenopus Ovary" <i>Neuron</i> 6:845-858 (May 1991)			
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	58		Henerson, et al., "GDNF: A Potent Survival Factor for Motoneurons Present in Peripheral Nerve and Muscle" <i>Science</i> 266:1062-1064 (1994).			
	59		Hohn, et al., "Identification and Characterization of a Novel Member of the Nerve Growth Factor/Brain-derived Neurotrophic Factor Family" <i>Nature</i> 344:339-341 (March 22, 1990)			
	60		Ip, et al., "Mammalian Neurotrophin-4: Structure, Chromosomal Localization, Tissue Distribution, and Receptor Specificity" <i>Proc. Natl. Acad. Sci. USA</i> 89:3060-3064 (April 1992)			
	61		Iwai, et al., "Deoxyribonucleic acids and Related Compounds. XXII. Synthesis of Genes for Human Nerve Growth Factor and Its Fused Protein" <i>Chem. Pharm. Bull.</i> 34(11):4724-4730 (1986)			
	62		Jones, et al., "Molecular Cloning of a Human Gene that is a Member of the Nerve Growth Factor Family" <i>Proc. Natl. Acad. Sci. USA</i> 87:8060-8064 (1990)			
	63		Jongstra-Bilen, et al., "The in vitro processing of the NGF Precursors by the $\gamma$ -subunit of the 7s NGF complex" <i>Molecular Brain Research</i> 5:159-169 (1989)			
	64		Kahle, et al., "The Amino Terminal of Nerve Growth Factor Is Involved in the Interaction with the Receptor Tyrosine Kinase p140 <sup>trkA</sup> " <i>Journal of Biological Chemistry</i> 267(32):22707-22710 (November 15, 1991)			
	65		Kaisho, et al., "Cloning and expression of a cDNA encoding an ovine human neurotrophic factor" <i>FEBS Letters</i> 266(1,2):187-191 (June 1990)			
	66		Kanaya, et al., "Synthesis and Secretion of Human Nerve Growth Factor by Saccharomyces Cerevisiae" <i>Gene</i> 83:65-74 (1989)			
	67		Kotzbauer, et al., "Neurturin, a relative of glial-cell-line-derived neurotrophic factor" <i>Nature</i> 384:467-470 (1996)			
	68		Leibrock, et al., "Molecular Cloning and Expression of Brain-Derived Neurotrophic Factor" <i>Nature</i> 341:149-152 (September 14, 1989)			
	69		Lin, et al., "GDNF: A Glial Cell Line-Derived Neurotropic Factor for Midbrain Dopaminergic Neurons" <i>Science</i> 260:1130-1132 (1993)			
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	71		Maisonnier, et al., "Neurotrophin-3: A Neurotrophic Factor Related to NGF and BDNF" <i>Science</i> 247:1446-1451 (March 23, 1990)			
↓	72		Mobley, et al., "Characterization of Isolation of Proteolytically Modified Nerve Growth Factor" <i>Biochemistry</i> 15:5543-5552 (1976)			
	73		Norrgren, et al., "Release of Nerve Growth Factor by Human Glial Cells in Culture" <i>Experimental Cell Research</i> 130:31-39 (1980)			
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
MM	75	Rosenthal, et al., "Primary Structure and Biological Activity of a Novel Human Neurotrophic Factor" <u>Neuron</u> 4: 767-773 (May 1990)					
↑	76	Rusenko, et al., "Interaction of [ <sup>125</sup> I] Nerve Growth Factor with Acidic Proteins" <u>Neurochemical Research</u> 6(3):287-300 (1981)					
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	78	Schmelzer, et al. "Biochemical Characterization of Recombinant Human Nerve Growth Factor" <u>Journal of Neurochemistry</u> 59(5):1675-1683 (1992)					
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